N49RF ERROR SUMMARY
SFMR Cal Flight (PHNL)
21 January 2016

Flight ID: 20160121N1

Sensor or system	Number or Name
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZfilterI.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1
Flight Directory	acdata/2016/MET/20160121N1

Local Met Data:	Takeoff - PHNL (0056Z)	Landing – PHNL (0449Z)
Aircraft Static Pressure	1012.5 mb	1014.4 mb
Tower Pressure (corrected)	1014.7 mb	1016.4 mb

Notes:
The Edgetech dewpoint sensor (TDM.2)* was the most representative dewpoint sensor throughout and was therefore used as the source.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.
SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, and vertical wind speeds respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

*TDM.1 and TDM.2 are not rated for use under -50 deg C, so neither can be considered reliable for dew points colder than -50C. While normally reliable at lower altitudes, both dew point sensors displayed anomalously low values and abnormal oscillations during takeoff climb and descent to landing. Therefore, all flight level humidity data for this mission should be considered suspect. All other sensors performed nominally.

Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	2	0	0
Test Sondes	0	0	0

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